



QI Toolbox: Radar Chart & Control and Influence Matrix

***Performance Improvement Team Meeting
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Radar Chart & Control and Influence Matrix

- What are they? When to use them?
- Where do they fit in the PI Process
- Examples
- How do you construct and analyze them?
- Group activity practice

❖ Storyboard





What is a **Radar Chart**?

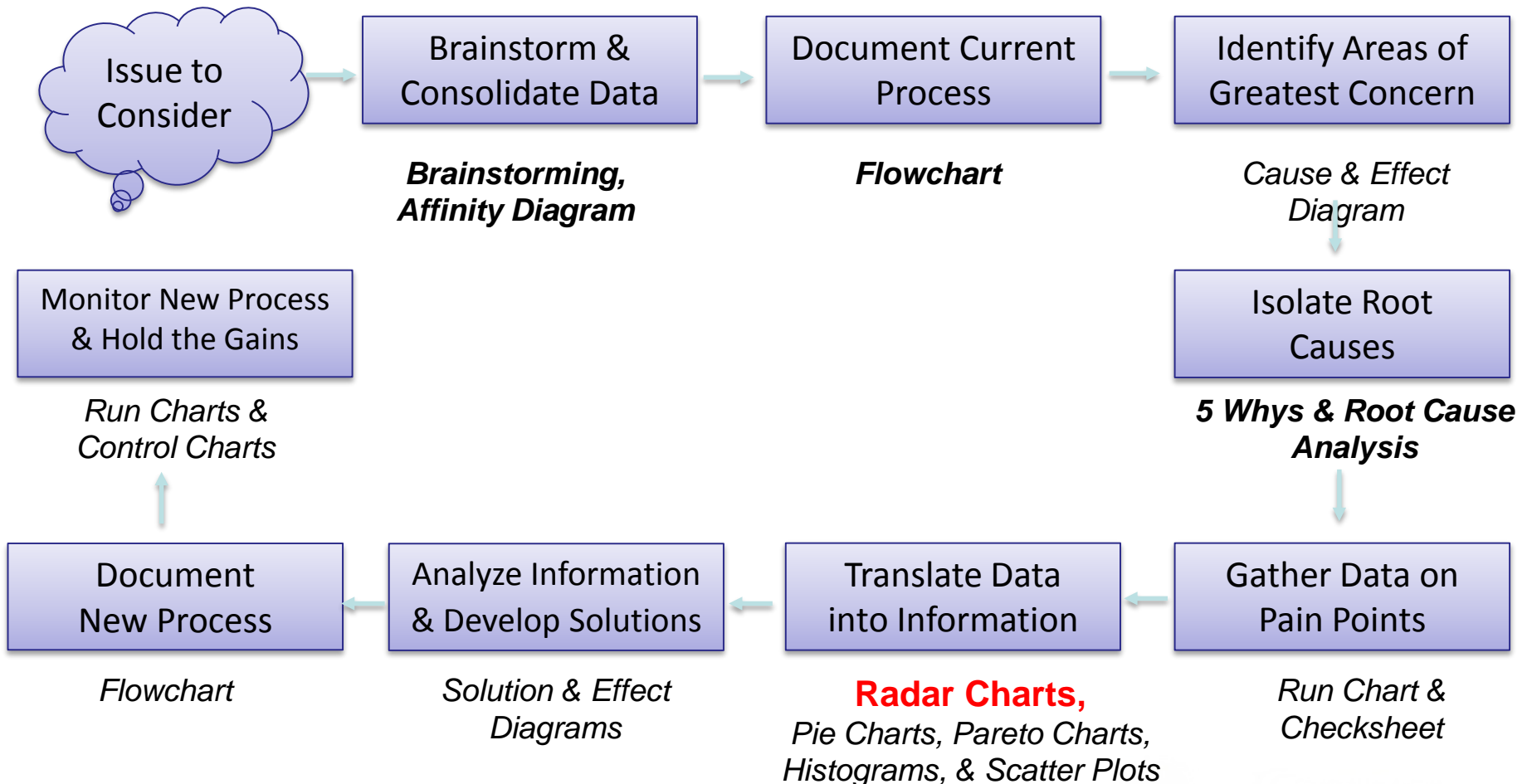
- It displays important categories of performance, and define full performance for each category
- It shows gaps between current and future (ideal) performance
- It captures a range of perceptions from a team
- It provides data to support priorities for improving performance



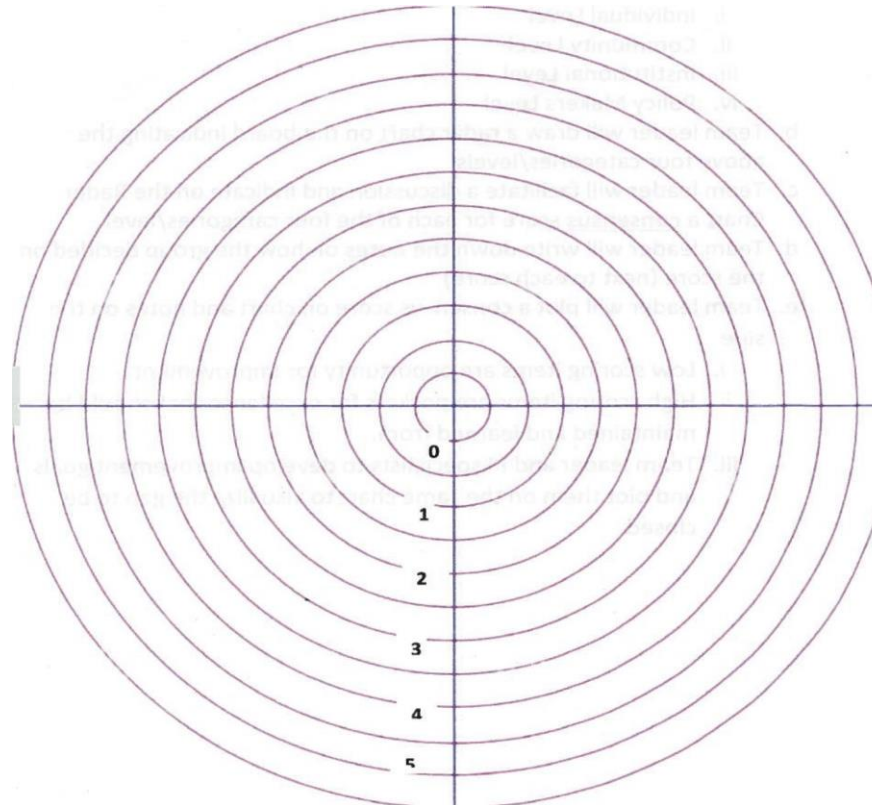
When To Use A **Radar Chart**

- To understand team perceptions about a problem they are investigating
- To display performance metrics of an ongoing program and compare for improvement
- To display multivariate observations with number of variables

Where Do Radar Charts Fit in the QI Process?



Radar Chart Example



How to Construct a Radar Chart

1. Assemble a team and identify a team leader.
2. Select and define categories to investigate.
 - Draft large, circular chart with as many spokes as defined categories.
3. Each team member individually rates each category.
4. Average the team's rating for each category, plot on the chart, and connect the points.

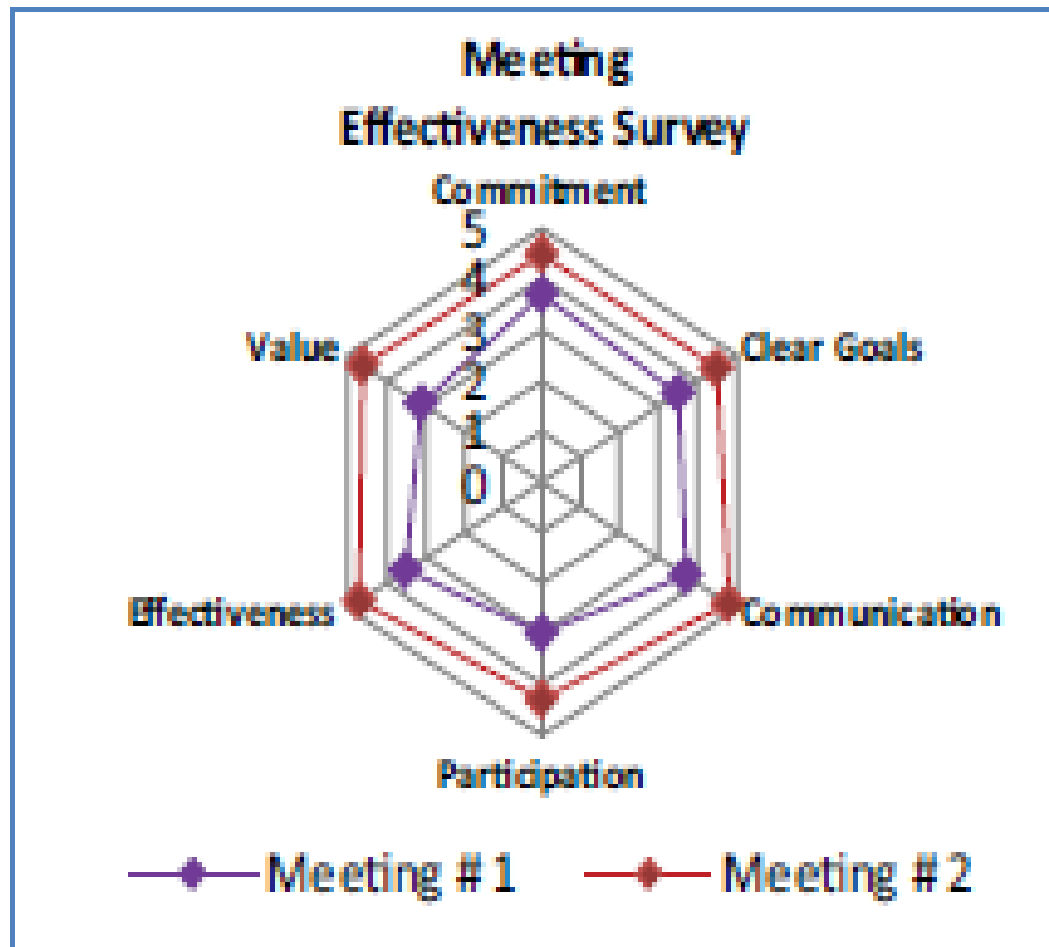




Example Data for Radar Chart

MEETING number	Commitment (rating 0-5)	Clear Goals (rating 0-5)	Communication (rating 0-5)	Participation (rating 0-5)	Effectiveness (rating 0-5)	Value (rating 0-5)
1	4	3.5	3.5	3	3.5	3
2	4.5	4.5	5	4.5	5	5

Radar Chart Example





How to Analyze a **Radar Chart**

- Use the chart to view the biggest gaps between current and ideal performance
- Focus on improving the largest gap in the most critical category
- If looking at a single set of data, the chart can help to quickly identify the area(s) most in need of improvement

Group Activities: **Chart** and **Matrix**

Aim Statement: Challenges of PI data collection

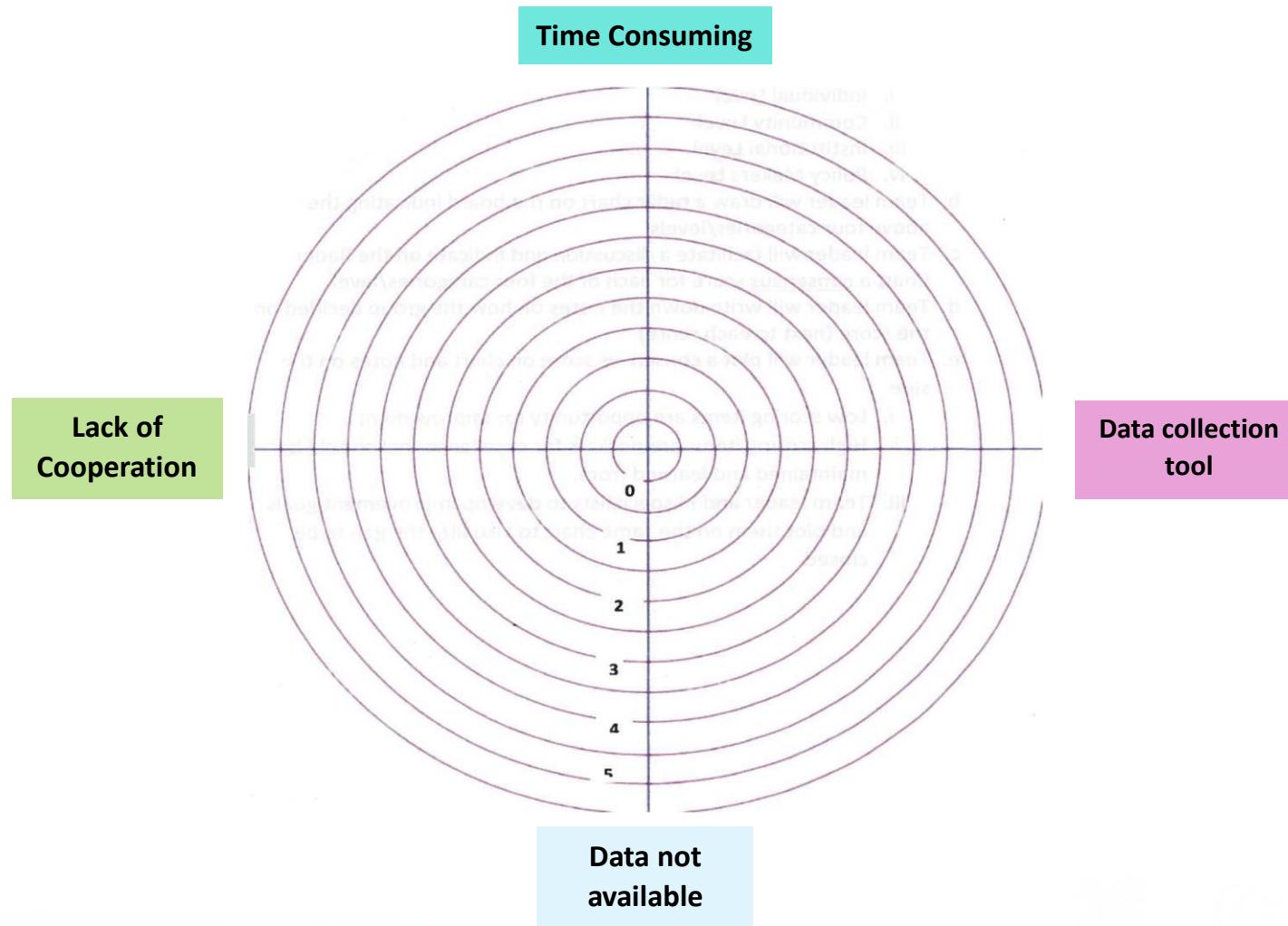
Topic: Investigate various PH Programs
challenges to PI data collection

Categories:

1. Time Consuming
2. Data not available
3. Lack of cooperation
4. PI data collection tool used



Challenges of PI Data Collection



Group Activity Radar Chart





Group Activity: Using a **Radar Chart**

Instructions:

1. Form teams of 4-5 people and choose a team leader.
2. Individually, on your radar chart handout, rate each of the four categories on a 0-5 scale, plot your results and connect the points.
3. As a team using the cardboard radar chart, average the teams' category ratings, plot the averages and connect the points.
4. Team leaders will report out for their team.

Radar Charts

Debrief discussion and questions





What is a **Control & Influence Matrix**?

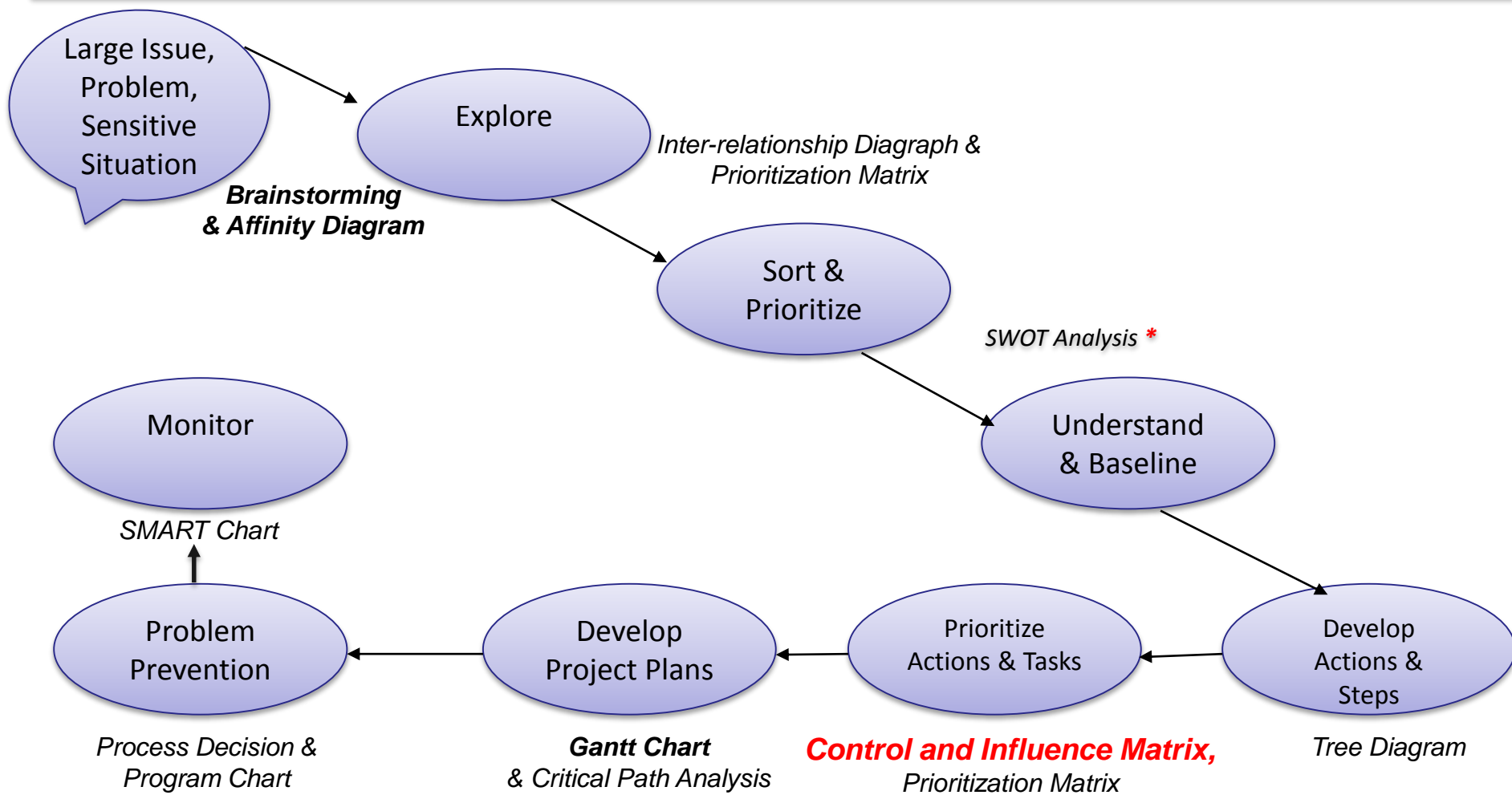
- A conceptual tool to give guidance on a focus area for improvement
- Helps a team focus resources on area where they can make an impact quickly
- In public health we may work more in the influence part of the matrix

When to use a **Control and Influence Matrix**

- To understand:
 - the boundaries of a problem
 - areas to focus resources and areas to avoid
 - where assistance or outside expertise is needed
- With a new team, use the matrix to:
 - learn the team members' knowledge and experience
 - Understand or anticipate potential barriers and roadblocks

Public Health Quality Improvement Encyclopedia (2012). Public Health Foundation.

Where Does the **Control and Influence Matrix** Fit in the QI Process?



Control & Influence Matrix Example

	Control	No Control
Influence	Areas we can address our primary focus	Areas we can influence but not control
No Influence	Areas we can control but not influence	Areas we should <u>not</u> address

How to Construct a **Control and Influence Matrix**



1. Decide on the issue to be addressed.
2. Draw a 2x2 L-Shaped Matrix.
3. Label columns as **Control** and **No Control**.
4. Label rows as **Influence** and **No Influence**.
5. As a team, identify the areas that fit into each quadrant.

Public Health Quality Improvement Encyclopedia (2012). Public Health Foundation.



How to Analyze a **Control & Influence Matrix**

Control and Influence: area of primary focus

Control, No Influence: expertise and assistance

No Control, Influence: provide recommendations

No Control, No Influence: not address

PI Data Collection Areas to Focus

	Control	No Control
Influence		
No Influence		

Group Activity **Control and Influence Matrix**





Group Activity: Using a **Control and Influence Matrix**

Instructions:

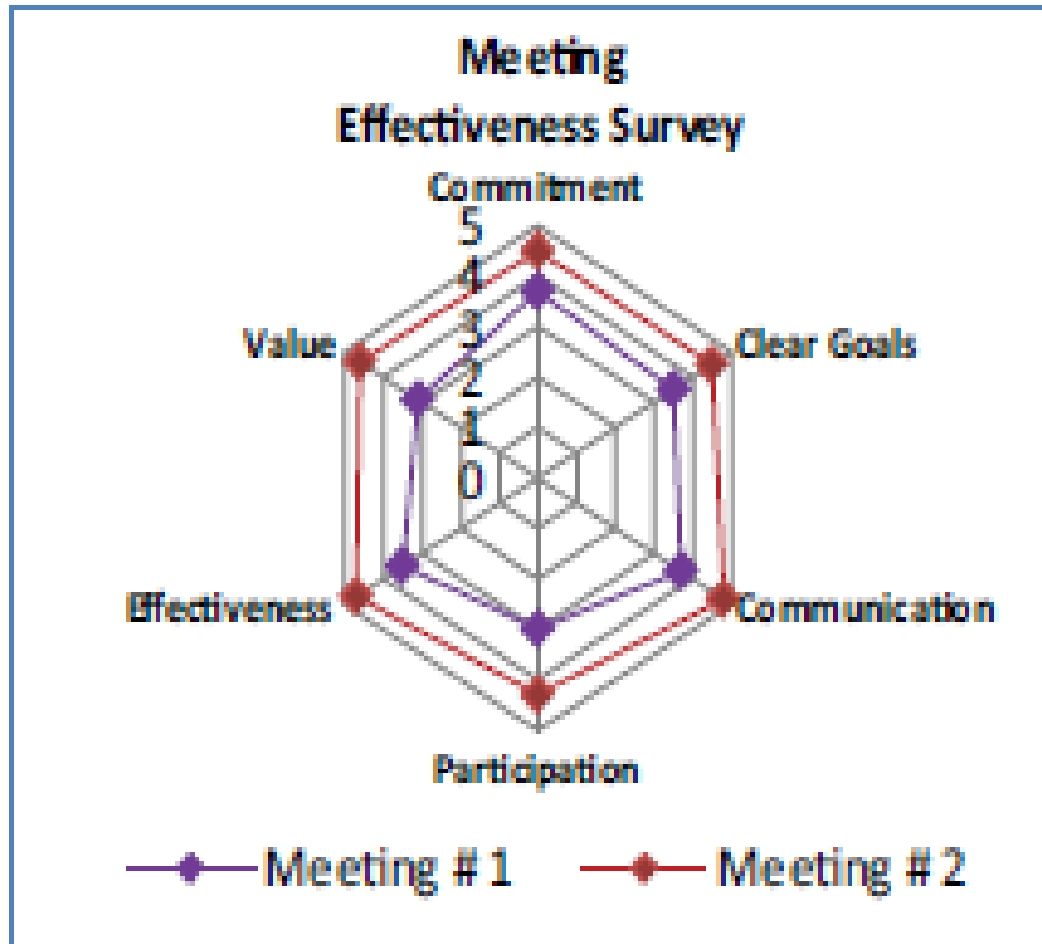
1. In your same teams, brainstorm strategies for an assigned category and write them in the appropriate quadrants on the team's cardboard matrix.
2. Team leader write **one** strategy on a sticky note that falls under the control and influence.
3. Leaders will place their team's note on the poster board matrix when called upon.

Control and Influence Matrix

Debrief Discussion and Questions



Radar Chart from Storyboard



We Thank You!

Any questions or comments?

